Contents of Volume 19

Number 1

January

C. D. LAMBERT, T. S. BIANCHI and P. H. SANTSCHI	1	Cross-shelf changes in phytoplankton community composition in the Gulf of Mexico (Texas shelf/slope): the use of plant pigments as biomarkers
J.-L. FERRAND, B. HAMELIN and A. MONACO	23	Isotopic tracing of anthropogenic Pb inventories and sedimentary fluxes in the Gulf of Lions (NW Mediterranean Sea)
M. BURROWS, S. A. THORPE and D. T. MELDRUM	49	Dispersion over the Hebridean and Shetland shelves and slopes
L. WASHBURN, S. STONE and S. MACINTYRE	57	Dispersion of produced water in a coastal environment and its biological implications
V. G. TARASOV, A. V. GEBRUK, V. M. SHULKIN, G. M. KAMENEV, V. I. FADEEV, V. N. KOSMYNIN, V. V. MALAKHOV, D. A. STARYNIN and A. I. OBZHIROV	79	Effect of shallow-water hydrothermal venting on the biota of Matupi Harbour (Rabaul Caldera, New Britain Island, Papua New Guinea)
A. ISOBE	117	On the origin of the Tsushima Warm Current and its seasonality
M. PARRA, P. CASTAING, J.-M. JOUANNEAU, F. GROUSSET and C. LATOUCHE	135	Nd–Sr Isotopic composition of present-day sediments from the Gironde Estuary, its draining basins and the West Gironde mud patch (SW France)
List of Contents for *Deep-Sea Research I* Vol. 45, No. 11	I	
List of Forthcoming papers for *Continental Shelf Research*	V	

Number 2

February

C. S. REISS and J. R. MCCONAUGHA	151	Cross-frontal transport and distribution of ichthyoplankton associated with Chesapeake Bay plume dynamics
R. KUMAR, A. SARKAR and P. C. PANDEY	171	Estimation of ocean depths off Goa coast using ERS-1 Synthetic Aperture Radar
D. D. SHEU, W. C. JOU, Y. C. CHUNG, T. Y. TANG and J. J. HUNG	183	Geochemical and carbon isotopic characterization of particles collected in sediment traps from the East China Sea continental slope and the Okinawa Trough northeast of Taiwan

G. CRAWFORD, L. PADMAN and M. MCPHEE	205	Turbulent mixing in Barrow Strait
Y. H. SEUNG	247	A geostrophic adjustment model of shelfward intrusion of oceanic upper water across a depth discontinuity: implication to the Kuroshio region
G. O. MARMORINO, L. K. SHAY, B. K. HAUS, R. A. HANDLER, H. C. GRABER, M. P. HORNE	271	An EOF analysis of HF Doppler radar current measurements of the Chesapeake Bay buoyant outflow
K.-K. LIU	289	Comments on "Artifacts introduced into the calculation of the mixing ratios of seawater end-members using T–S properties"
C. A. T. CHEN, R. RUO, S. C. PAI, C. T. LIU and G. T. F. WONG	295	Author's reply to Comments on "Artifacts introduced into the calculation of the mixing ratios of seawater end-members using T–S properties"

Number 3

March

P. E. LA VIOLETTE, R. A. ARNONE and S. LADNER	299	Space and time scales of optical variability in and about Mobile Bay as defined by a NOAA AVHRR visible sensor c660 algorithm
R. PREGO, M. DEL CARMEN BARCIELA and M. VARELA	317	Nutrient dynamics in the Galician coastal area (Northwestern Iberian Peninsula): Do the Rias Bajas receive more nutrient salts than the Rias Altas?
C. K. SOMMERFIELD, C. A. NITTROUER and C. R. ALEXANDER	335	^{7}Be as a tracer of flood sedimentation on the northern California continental margin
G. H. GERSBACH, C. B. PATTIARATCHI, G. N. IVEY and G. R. CRESSWELL	363	Upwelling on the south-west coast of Australia —source of the Capes Current?
A. PEARCE and C. PATTIARATCHI	401	The Capes Current: a summer countercurrent flowing past Cape Leeuwin and Cape Naturaliste, Western Australia
G. P. HOLDAWAY, P. D. THORNE, D. FLATT, S. E. JONES and D. PRANDLE	421	Comparison between ADCP and transmissometer measurements of suspended sediment concentration
List of Forthcoming papers for CSR	I	
List of contents for *Deep-Sea Research I*, Vol. 46, No. 1	II	

Number 4

March

J. C. LEE and K. T. JUNG	445	Application of eddy viscosity closure models for the M_2 tide and tidal currents in the Yellow Sea and the East China Sea
J. R. NELSON, J. E. ECKMAN, C. Y. ROBERTSON, R. L. MARINELLI and R. A. JAHNKE	477	Benthic microalgal biomass and irradiance at the sea floor on the continental shelf of the South Atlantic Bight: Spatial and temporal variability and storm effects
J. J. WILLIAMS, C. P. ROSE, P. D. THORNE, B. A. O'CONNOR, J. D. HUMPHERY, P. J. HARDCASTLE, S. P. MOORES, J. A. COOKE and D. J. WILSON	507	Field observations and predictions of bed shear stresses and vertical suspended sediment concentration profiles in wave-current conditions
E. P. ACHTERBERG, C. COLOMBO and C. M. G. VAN DEN BERG	537	The distribution of dissolved Cu, Zn, Ni, Co and Cr in English coastal surface waters
P. DIVAKAR NAIDU, M. R. RAMESH KUMAR and V. RAMESH BABU	559	Time and space variations of monsoonal upwelling along the west and east coasts of India
Erratum	573	
Current Awareness	B147	
List of Forthcoming papers for CSR	I	
List of contents for *Deep-Sea Research I*, Vol. 46, No. 2	III	

Number 5

April

M. OKYAR and V. EDIGER	575	Seismic evidence of shallow gas in the sediment on the shelf off Trabzon, southeastern Black Sea
S.-C. PARK, D.-G. YOO, K.-W. LEE and H.-H. LEE	589	Accumulation of recent muds associated with coastal circulations, southeastern Korea Sea (Korea Strait)
P. H. SANTSCHI, L. GUO, I. D. WALSH, M. S. QUIGLEY and M. BASKARAN	609	Boundary exchange and scavenging of radionuclides in continental margin waters of the Middle Atlantic Bight: implications for organic carbon fluxes
M. Z. LI and C. L. AMOS	637	Sheet flow and large wave ripples under combined waves and currents: field observations, model predictions and effects on boundary layer dynamics

R. F. NOLTING, A. RAMKEMA and J. M. EVERAARTS 665 The geochemistry of Cu, Cd, Zn, Ni and Pb in sediment cores from the continental slope of the Banc d'Arguin (Mauritania)

P. J. KNIGHT and M. J. HOWARTH 693 The flow through the north channel of the Irish Sea

Number 6

May

G. M. STAFF and E. N. POWELL 717 Onshore–offshore trends in community structural attributes: death assemblages from the shallow continental shelf of Texas

KUO-CHUIN WONG 757 The wind driven currents on the Middle Atlantic Bight inner shelf

M. MICHAELOVITCH DE MAHIQUES, Y. MISHIMA and M. RODRIGUES 775 Characteristics of the sedimentary organic matter on the inner and middle continental shelf between Guanabara Bay and São Francisco *D*o Sul, southeastern Brazilian margin

M. A. BRANDON, E. J. MURPHY, M. J. WHITEHOUSE, P. N. TRATHAN, A. W. A. MURRAY, D. G. BONE and J. PRIDDLE 799 The shelf break front to the east of the sub-Antarctic island of South Georgia

H. LANGENBERG, A. PFIZENMAYER H. VON STORCH and J. SÜNDERMANN 821 Storm-related sea level variations along the North Sea coast: natural variability and anthropogenic change

Erratum 843

List of contents for *Deep-Sea Research I*, Vol. 46, Nos. 3 & 4 I

Number 7

June

G. FANG, Y.-K. KWOK, K. YU and Y. ZHU 845 Numerical simulation of principal tidal constituents in the South China Sea, Gulf of Tonkin and Gulf of Thailand

H.-J. LEE, S.-Y. CHAO and K.-L. FAN 871 Flood-ebb disparity of tidally induced recirculation Eddies in a semi-enclosed basin: Nan Wan Bay

T. BLANZ, D. E. SCHULZ-BULL, K. C. EMEIS, G. PETRICK and J. C. DUINKER 891 Chlorobiphenyls in suspension and sediment of the southern Baltic Sea: a mass balance calculation since the onset of PCB-production

J. J. LEICHTER and S. L. MILLER 911 Predicting high-frequency upwelling: spatial and temporal patterns of temperature anomalies on a Florida coral reef

R. D. PINGREE, B. SINHA and C. R. GRIFFITHS 929 Seasonality of the European slope current (Goban Spur) and ocean margin exchange

List of contents for *Deep-Sea Research I*, Vol. 46, No. 5 I

List of Forthcoming Papers for *Continental Shelf Research* II

Number 8

June

G. GAWARKICWECZ, G. KOROTAEV, S. STANICHNY, L. REPETIN and D. SOLOVIEV 977 Synoptic upwelling and cross-shelf transport process along the Crimean coast of the Black Sea

A. M. SHILLER and L. MAO 1007 Dissolved vanadium on the Louisiana Shelf: effect of oxygen depletion

B. GUSTAFSSON 1021 High frequency variability of the surface layers in the Skagerrak during SKAGEX

G.-H. HONG, S.-K. PARK, M. BASKARAN, S.-H. KIM, C.-S. CHUNG and S.-H. LEE 1049 Lead-210 and polonium-210 in the winter well-mixed turbid waters in the mouth of the Yellow Sea

J. J. BISAGNI 1065 Estimates of vertical heat flux and stratification from southern Georges Bank, model descriptions and results, Winter–Summer 1995

J. T. HOLT and I. D. JAMES 1087 A simulation of the southern North Sea in comparison with measurements from the North Sea Project. Part 1: Temperature

List of contents for *Deep-Sea Research I*, Vol. 46, No. 6 I

List of Forthcoming Papers for *Continental Shelf Research* II

Number 9

July

S. E. LOHRENZ, G. L. FAHNENSTIEL, D. G. REDALJE, G. A. LANG, M. J. DAGG, T. E. WHITLEDGE and Q. DORTCH 1113 Nutrients, irradiance, and mixing as factors regulating primary production in coastal waters impacted by the Mississippi River plume

H. SIEGEL, M. GERTH and A. MUTZKE 1143 Dynamics of the Oder river plume in the Southern Baltic Sea: satellite data and numerical modelling

B. A. J. BARKER, I. HELMOND, N. J. BAX, A. WILLIAMS, S. DAVENPORT, V. A. WADLEY 1161 A vessel-towed camera platform for surveying seafloor habitats of the continental shelf

T. M. GROTHUES, R. K. COWEN 1171 Larval fish assemblages and water mass history in a major faunal transition zone

J. A. C. BUNT, P. LARCOMBE and C. F. JAGO 1199 Quantifying the response of optical backscatter devices and transmissometers to variations in suspended particulate matter

H. YANG, R. H. WEISBERG, P. P. NIILER, W. STURGES and W. JOHNSON 1221 Lagrangian circulation and forbidden zone on the West Florida Shelf

1247 Book Review

Number 10

August

T. C. GRANATA, B. VIDONDO, C. M. DUARTE, M. P. SATTA and M. GARCIA 1249 Hydrodynamics and particle transport associated with a submarine canyon off Blanes (Spain), NW Mediterranean Sea

T. A. MCCLIMANS, B. O. JOHANNESSEN and T. JENSERUD 1265 Monitoring a shelf edge current using bottom pressures or coastal sea-level data

K. R. DYER and D. A. HUNTLEY 1285 The origin, classification and modelling of sand banks and ridges

E. KRISTENSEN and A. H. DEVOL and H. E. HARTNETT 1331 Organic matter diagenesis in sediments on the continental shelf and slope of the Eastern Tropical and temperate North Pacific

J. XING, F. CHEN and R. PROCTOR 1353 A two-dimensional slice model of the shelf edge region off the west coast of Scotland: model response to realistic seasonal forcing and the role of the M_2 tide

1387 Erratum

List of contents for *Deep-Sea Research I*, Vol. 46, Nos. 7 & 8 I

Number 11

September

J. SMALL, Z. HALLOCK, G. PAVEY and J. SCOTT 1389 Observations of large amplitude internal waves at the Malin Shelf edge during SESAME 1995

J. XING and A. M. DAVIES 1437 The effect of wind direction and mixing upon the spreading of a buoyant plume in a non-tidal regime

D. HUANG, J. SU and O. BACKHAUS 1485 Modelling the seasonal thermal stratification and baroclinic circulation in the Bohai Sea

J. D. ANNAN and J. C. HARGREAVES 1507 Sea surface temperature assimilation for a three-dimensional baroclinic model of shelf seas

Number 12

September

J. ZHANG 1521 Heavy metal compositions of suspended sediments in the Changjiang (Yangtze River) estuary: significance of riverine transport to the ocean

M. F. LAVÍN and S. SÁNCHEZ 1545 On how the colorado river affected the hydrography of the upper Gulf of California

M. MATSUYAMA, H. ISHIDOYA, S. IWATA, Y. KITADE and H. NAGAMATSU 1561 Kyucho induced by intrusion of Kuroshio water in Sagami Bay, Japan

L. J. HAMILTON P. J. MULHEARN and R. POECKERT 1577 Comparison of RoxAnn and QTC-View acoustic bottom classification system performance for the Cairns area, Great Barrier Reef, Australia

M. C. BURLING, G. N. IVEY and C. B. PATTIARATCHI 1599 Convectively driven exchange in a shallow coastal embayment

J. T. HOLT and I. D. JAMES 1617 A simulation of the southern North Sea in comparison with measurements from the North Sea Project. Part 2: Suspended Particulate Matter

List of contents for *Deep-Sea Research I*, Vol. 46, No. 9 I

Number 13

October

Series Issue

NEARSHORE AND COASTAL OCEANOGRAPHY

J. F. A. SLEATH 1643 Conditions for plug formation in oscillatory flow

C. KRANENBURG 1665 Effects of floc strength on viscosity and deposition of cohesive sediment suspensions

E. E. D'ONOFRIO, M. M. E. FIORE and S. I. ROMERO 1681 Return periods of extreme water levels estimated for some vulnerable areas of Buenos Aires

D. A. JAY and E. P. FLINCHEM 1695 A comparison of methods for analysis of tidal records containing multi-scale non-tidal background energy

D. C. CONLEY 1733 Observations on the impact of a developing inlet in a bar built estuary

List of contents for *Deep-Sea Research I*, Vol. 46, No. 10 I

Number 14

November

J.-F. MAGUER, S. L'HELGUEN, C. MADEC and P. LE CORRE 1755 Seasonal patterns of ammonium regeneration from size-fractionated microheterotrophs

S. R. SHETYE 1771 Tides in the Gulf of Kutch, India

I. R. HALL, D. J. HYDES P. J. STATHAM and J. OVERNELL 1783 Seasonal variations in the cycling of aluminium, cadmium and manganese in a Scottish sea loch: biogeochemical processes involving suspended particles

R. SÆTRE 1809 Features of the central Norwegian shelf circulation

A. KASAI, T. P. RIPPETH and J. H. SIMPSON 1833 Density and flow structure in the Clyde Sea front

List of contents for *Deep-Sea Research I*, Vol. 46, No. 11 I

Number 15–16

December

Special Issue

FLUXMANCHE II: Multidisciplinary Research in the Eastern English Channel

P. J. STATHAM, P. A. DAVIES and R. LAFITE 1849 Editorial

D. AELBRECHT, G. CHABERT D'HIÈRES and D. RENOUARD 1851 Experimental study of the Ekman layer instability in steady or oscillating flows

D. AELBRECHT, G. CHABERT D'HIÈRES and D. RENOUARD 1869 A 3-D coastal tidal rectification process: observations, theory and experiments

A. SENTCHEV and M. YAREMCHUK 1905 Tidal motions in the Dover Straits as a variational inverse of the sea level and surface velocity data

A. F. VELEGRAKIS, D. MICHEL, M. B. COLLINS, R. LAFITE, E. K. OIKONOMOU, J. P. DUPONT, M. F. HUAULT, M. LECOUTURIER, J. C. SALOMON and C. BISHOP	1933	Sources, sinks and resuspension of suspended particulate matter in the eastern English Channel
D. BOUST	1959	Distribution and inventories of some artificial and naturally-occurring radionuclides in medium to coarse-grained sediments of the channel
P. BAILLY DU BOIS and P. GUÉGUÉNIAT	1977	Quantitative assessment of dissolved radiotracers in the English Channel: Sources, average impact of la Hague reprocessing plant and conservative behaviour (1983, 1986, 1988 and 1994)
Y. AUGER, L. BODINEAU, S. LECLERCQ and M. WARTEL	2003	Some aspects of vanadium and chromium chemistry in the English Channel
P. J. STATHAM, S. LECLERCQ, V. HART, M. BATTÉ, Y. AUGER, M. WARTEL and J. CHEFTEL	2019	Dissolved and particulate trace metal fluxes through the central English Channel, and the influence of coastal gyres
P. MICHEL, J.-F. CHIFFOLEAU, B. AVERTY, D. AUGER E. CHARTIER	2041	High resolution profiles for arsenic in the Seine Estuary. Seasonal variations and net fluxes to the English Channel
J.-F. CHIFFOLEAU, D. AUGER, E. CHARTIER	2063	Fluxes of selected trace metals from the Seine estuary to the eastern English Channel during the period August 1994 to July 1995
D. BENTLEY, V. HART, J. C. GUARY, P. J. STATHAM	2083	Dissolved nutrient distributions in the Central English Channel
L. BODINEAU, G. THOUMELIN and M. WARTEL	2101	Fluxes and seasonal changes in composition of organic matter in the English Channel
List of contents for *Deep-Sea Research I*, Vol. 46, No. 10	I	